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Total Number of Pages in This Submission		Application No.	10/817,381
		Filing Date	April 1, 2004
		First Named Inventor	Yongli Huang
		Examiner Name	To Be Assigned
		Group Art Unit	3736
		Attorney Docket No.	33683/AJT (468330-01807)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jamie J. Zheng, Reg. No. 57,167 for Aldo J. Test, Reg. No. 18,048 DORSEY & WHITNEY LLP 4 Embarcadero Center, Suite 3400 San Francisco, CA 94111 Telephone: 650-494-8700 Facsimile: 650-494-8771	Customer Number 32940
Signature		
Date	January 12, 2005	

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Typed or printed name	Lori Cox		
Signature		Date	January 12, 2005



PATENT
Attorney Docket No. 33683/AJT
Dorsey File No. 468330-01807

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HUANG et al.

U.S. Serial No.: 10/817,381

Filing Date: April 1, 2004

For: *Capacitive Ultrasonic Transducers
with Isolation Posts*

Examiner: To Be Assigned

Art Unit: 3736

Confirmation No.: 2603

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Signed: _____

Lori Cox

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/08A-B. In accordance with 1273 Off. Gaz. Pat. Off. 1, 8/5/2003, no copies of U.S. patents and U.S. published applications are enclosed. Copies of all other references are enclosed.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

U.S. Serial No.: 10/817,381
Filing Date: April 1, 2004

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

While no fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 468330-01807 [33683/AJT]).

Please direct any calls in connection with this application to the undersigned at
(650) 494-8700.

Respectfully submitted,
DORSEY & WHITNEY LLP

Date: January 12, 2005

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BY:



Jamie J. Zheng, Reg. No. 57,167
For Aldo J. Test, Reg. No. 18,048

Customer Number: 32940

Substitute for form 1449A/PTO
(Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/817,381
Filing Date	April 1, 2004
First Named Inventor	Yongli HUANG
Art Unit	3736
Examiner Name	To Be Assigned
Attorney Docket Number	33683/AJT (468330-01807)

of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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<p>Substitute for form 1449A/PTO (Modified)</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	10/817,381
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				Art Unit	3736
				Examiner Name	To Be Assigned
Sheet	2	of	2	Attorney Docket Number	33683/AJT (468330-01807)

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	C1	AMJADI, H., et al., "Charge Storage In Double Layers Of Silicon Dioxide And Silicon Nitride", <i>9th International Symposium on Electrets</i> , September 25-30, 1996, pp. 22-27.		
	C2	ANTONIU, A., et al., "Effects of Electrostatic Charge Accumulation During MEMS Fabrication", MEMS, NANO and Smart Systems, 2003. Proceedings. International Conference on 20-23 July 2003, pp. 69-75.		
	C3	DENATALE, J., et al., "RF MEMS Reliability", <i>The 12th International Conference on Solid State Sensors, Actuators and Microsystems</i> , Boston, June 8-12, 2003, pp. 943-946.		
	C4	GILBERT, J.R., et al., "3D Modeling of Contact Problems and Hysteresis in Coupled Electro-Mechanics", IEEE Annual International Conference on Microelectromechanical Systems, 1996, pp. 127-132.		
	C5	GOLDSMITH, C. et al., "Lifetime Characterization Of Capacitive RF MEMS Switches", <i>Microwave Symposium Digest, 2001 IEEE MTT-S International</i> , May 20-25, 2001, 1: 227-230.		
	C6	HUANG, Y., et al., "Capacitive Micromachined Ultrasonic Transducers (cMUTS) With Isolation Posts", Presented at the 2004 <i>IEEE International Ultrasonics Symposium</i> , Montreal, Canada, August 23-27, 2004.		
	C7	HUANG, Y., et al., "Fabricating Capacitive Micromachined Ultrasonic Transducers With Wafer-Bonding Technology", <i>Journal of Microelectromechanical Systems</i> , April 2003, 12(2): 128-137.		
	C8	HUANG, Y., et al., "A Solution to the Charging Problems in Capacitive Micromachined Ultrasonic Transducers (CMUTS)", accepted for publication, <i>IEEE Trans., Ultrason., Ferroelect. Freq. Contr.</i>		
	C9	JIN, X., et al., "Fabrication and Characterization of Surface Micromachined Capacitive Ultrasonic Immersion Transducers", <i>IEEE Journal of Microelectromechanical Systems</i> , March 1999, 8(1): 100-114.		
	C10	REID, J.R., et al., "Noncontact Measurement of Charge Induced Voltage Shift in Capacitive MEM-Switches", <i>IEEE Microwave and Wireless Components Letters</i> , September 2003, 13(9): 367-369.		
	C11	SHEA, H.R., et al., "Effects of Electrical Leakage Currents on MEMS Reliability and Performance", <i>IEEE Transactions on Device and Materials Reliability</i> , June 2004, 4(2): 198-207.		
	C12	VAN SPENGEN, W.M., et al., "Experimental Characterization Of Stiction Due To Charging In RF MEMS", <i>Electron Devices Meeting, 2002. IEDM '02. Digest. International</i> , 8-11 December 2002, pp. 901-904.		
	C13	YUAN, X., et al., "Initial Observation and Analysis of Dielectric-Charging Effects on RF MEMS Capacitive Switches", <i>Microwave Symposium Digest, 2004 IEEE MTT-S International</i> , June 6-11, 2004, 3(3): 1943-1946.		
	C14	YUANG, Y., et al., "New Fabrication Process for Capacitive Micromachined Ultrasonic Transducers": 1-4.		

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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